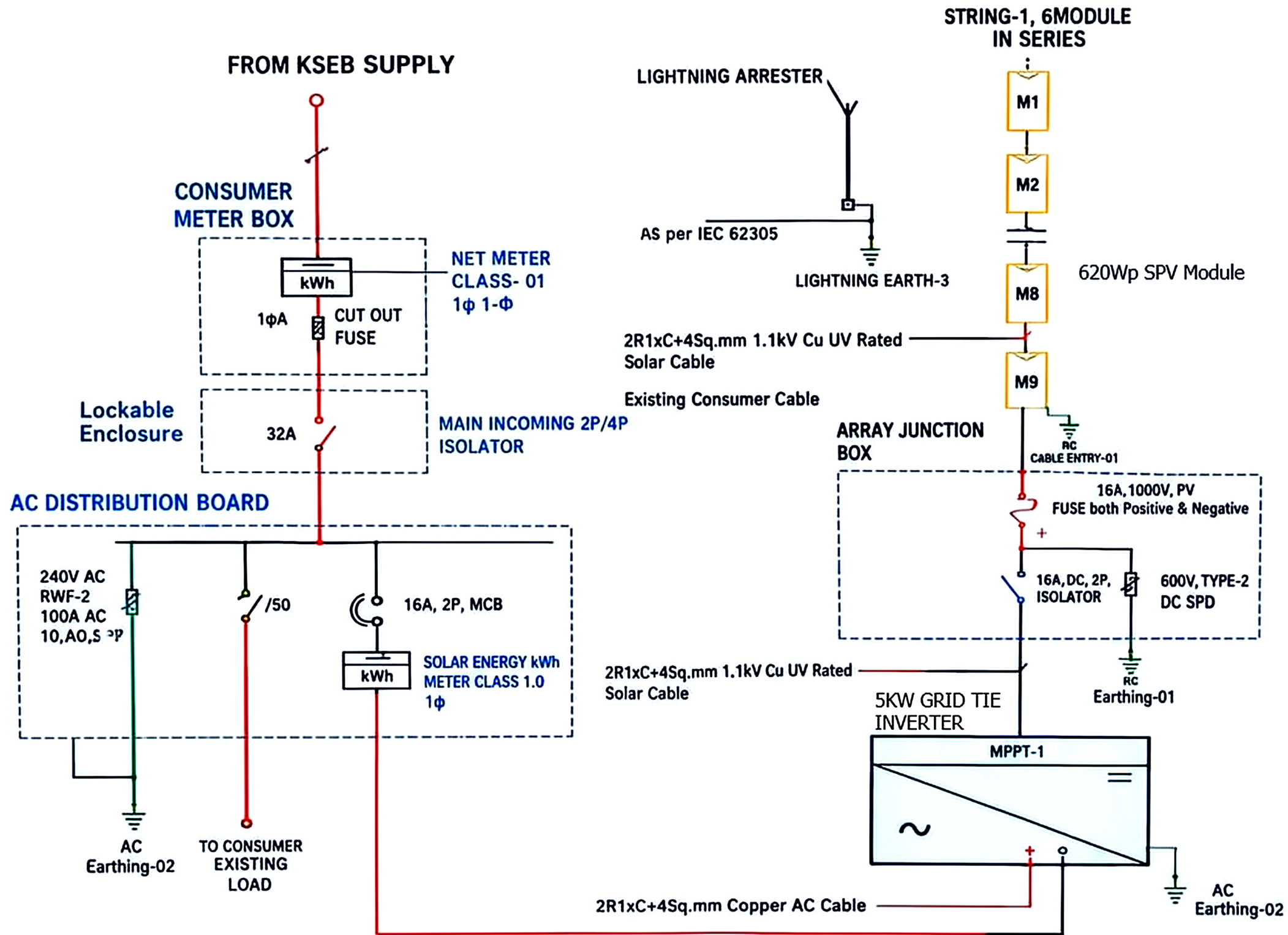


SINGLE LINE DIAGRAM -5KW



LEGEND:-

SL.NO	SYMBOL	DESCRIPTION
1		FUSE
2		MCB
3		FUNGIE PROTECTION DEVICE
4		DC ISOLATOR
5		AC, DC METERING
6		AC, DC, PROTECTION, INVERTER
7		DC FUSE
8		DC SPD
9		LIGHTNING ARRESTER
10		EARTH CONTACT / EARTH
11	----	SOLAR PV MODULE (PV PANEL)

COMPONENT LIST:-

SL.NO	COMPONENTS	TECHNICAL SPECIFICATION	QTY
1	SPV Module	620Wp	8 Nos
2	AC DC Meter	1φ, 1P, 10-60A	1 No
3	PV Fuse	1, 1000 V, 16A	1 No
4	DC SPD	600V, 40kA, Type-2	1 No
5	DC ISOLATOR	600V, 16A, 2P	1 No
6	AC MCB	230/415V, 16A, 2P	1 No
7	AC SPD	275V, 40kA, Type-2	1 No
8	ENERGY METER	1φ, 1.0, 5-60A, 1P	1 No
9	BCDB	600V, 16A, 2P	1 No
10	PV Junction Box	IP 65	1 No
11	Earthing Electrode	GI Pipe, 40mm dia, 2.5m	1 No
12	Earthing Cable	16 Sq.mm, Copper	1 No
13	AC Conductor	2R1xC+4Sq.mm, Cu	15 Mtr
14	DC Conductor	2R1xC+4Sq.mm, Cu	15 Mtr
15	GI Strips	25x3 mm	1 Set

Kerala State Electricity Board Ltd

Vidyuthi Bhavanam, Pattom, Thiruvananthapuram - 695004

TITLE	SINGLE LINE DIAGRAM - 3 KW		
Originated By	Checked By	Approved By	Drawing No.
-	-	-	A3
KSEBL/ SOURA/ 3KW/02			Rev. 1

Note 1: This SLD is applicable for Tender No.1/Phase II - Solar Subsidy Scheme/2021-22 dated 10.09.2021.

Note 2: Maximum capacity and efficiency of SPV module shall be 300Wp and 16% respectively.

Provisionally Approved

State Nodal Officer
Soura Project